

FIG. 1

5' splice junction: AGGT GGT
 A
 G

3' splice junction: TT T T T T T T XAGGT
 CC TT C C C C C C

Promoter region: TATAA

Poly A: ATAATA

Alu repeats: Repeats of about 250 bases

Homeobox: A sequence of about 180 bases
 coding for ~ 60 amino acids

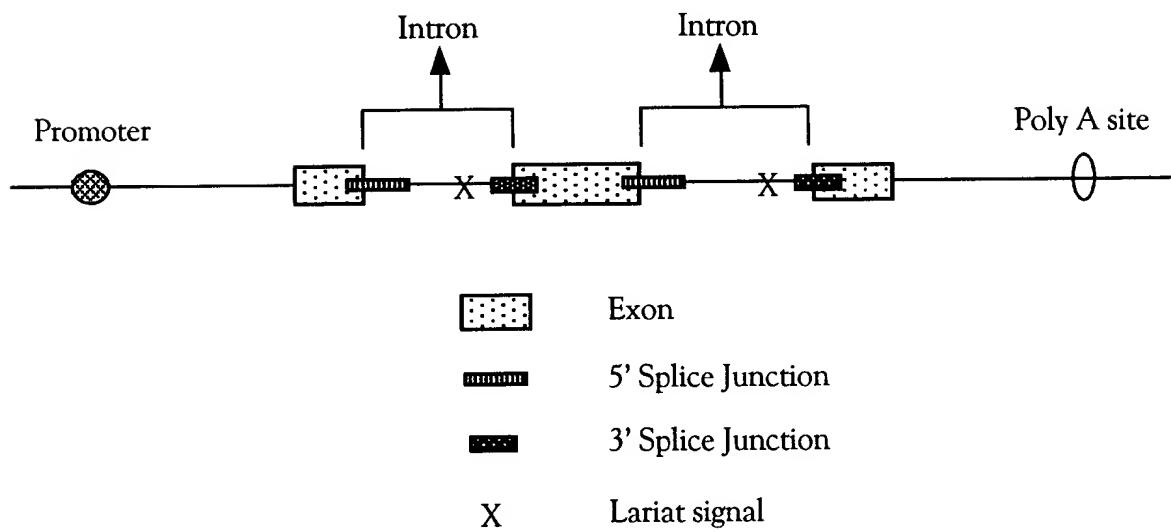
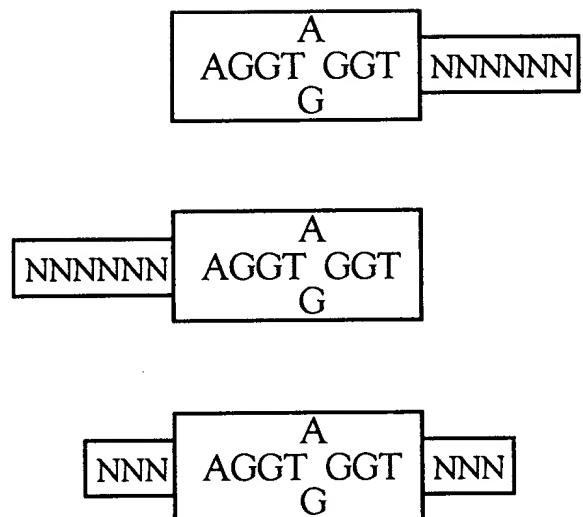


FIG. 2

5' Splice Consensus Primer



Promoter Consensus Sequence:

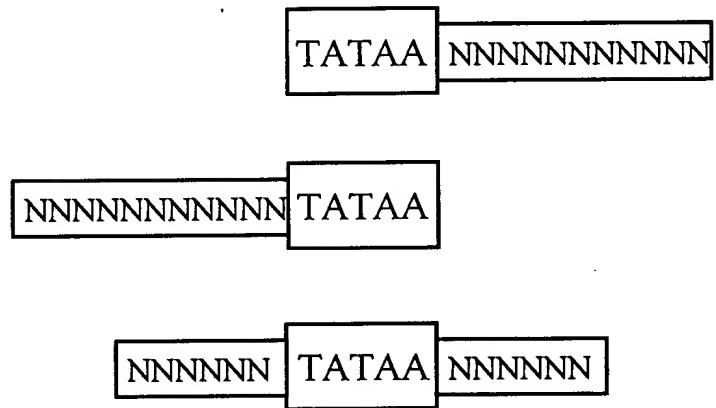


FIG. 3

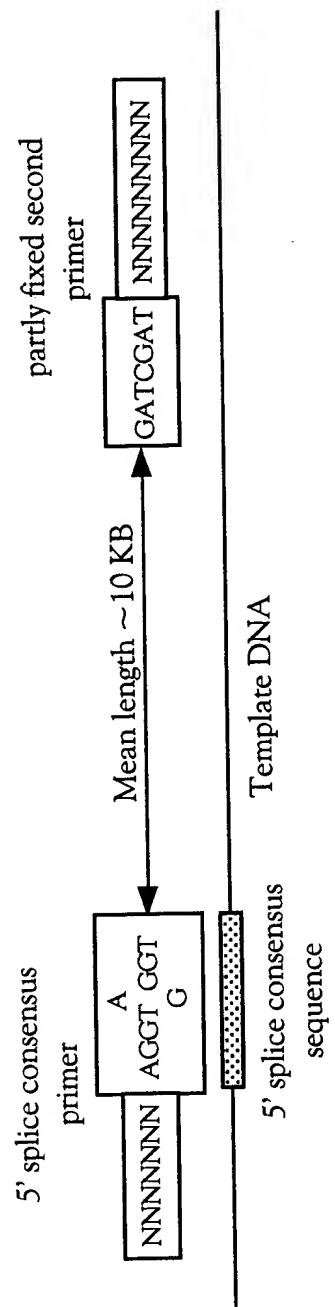


FIG. 4A

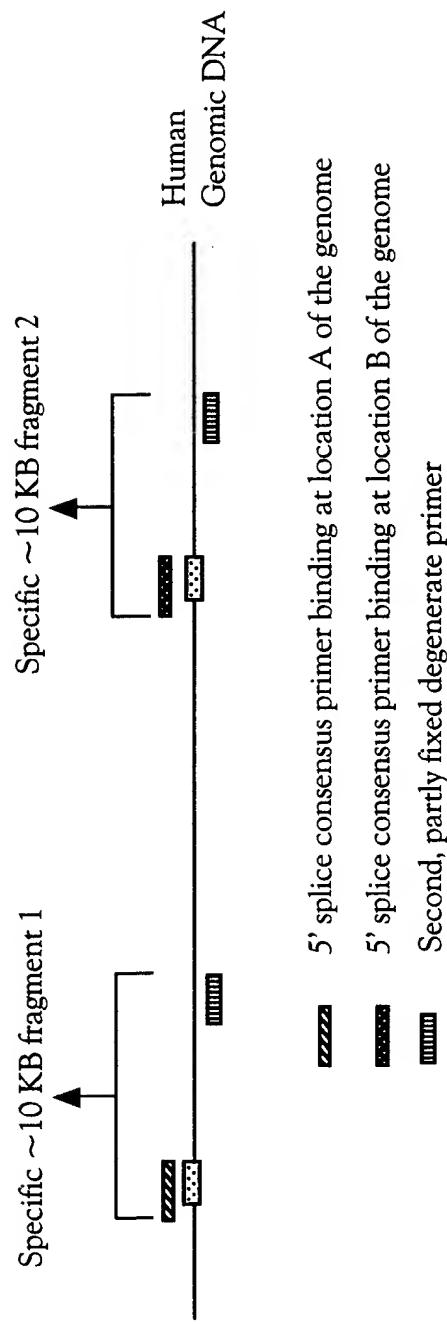


FIG. 4B

PCR amplify between 3' and 5'
splice consensus primers

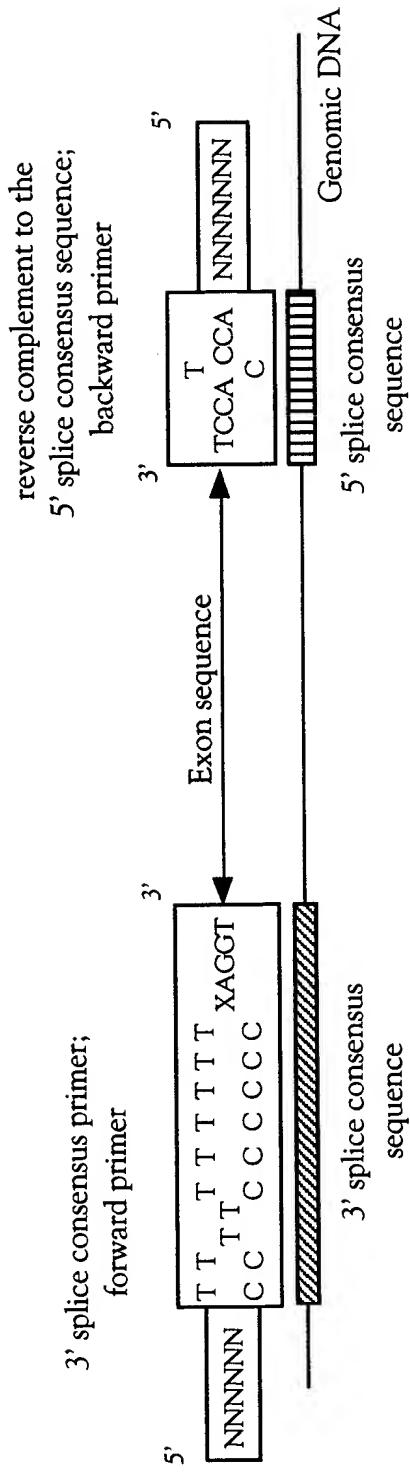


FIG. 5A

Change 3 Ns to individual triplets in a PCR reaction:
Total number of triplets/PCR reactions = 64

reverse complement to the
5' splice consensus sequence
backward primer

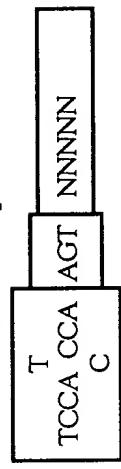


FIG. 5B

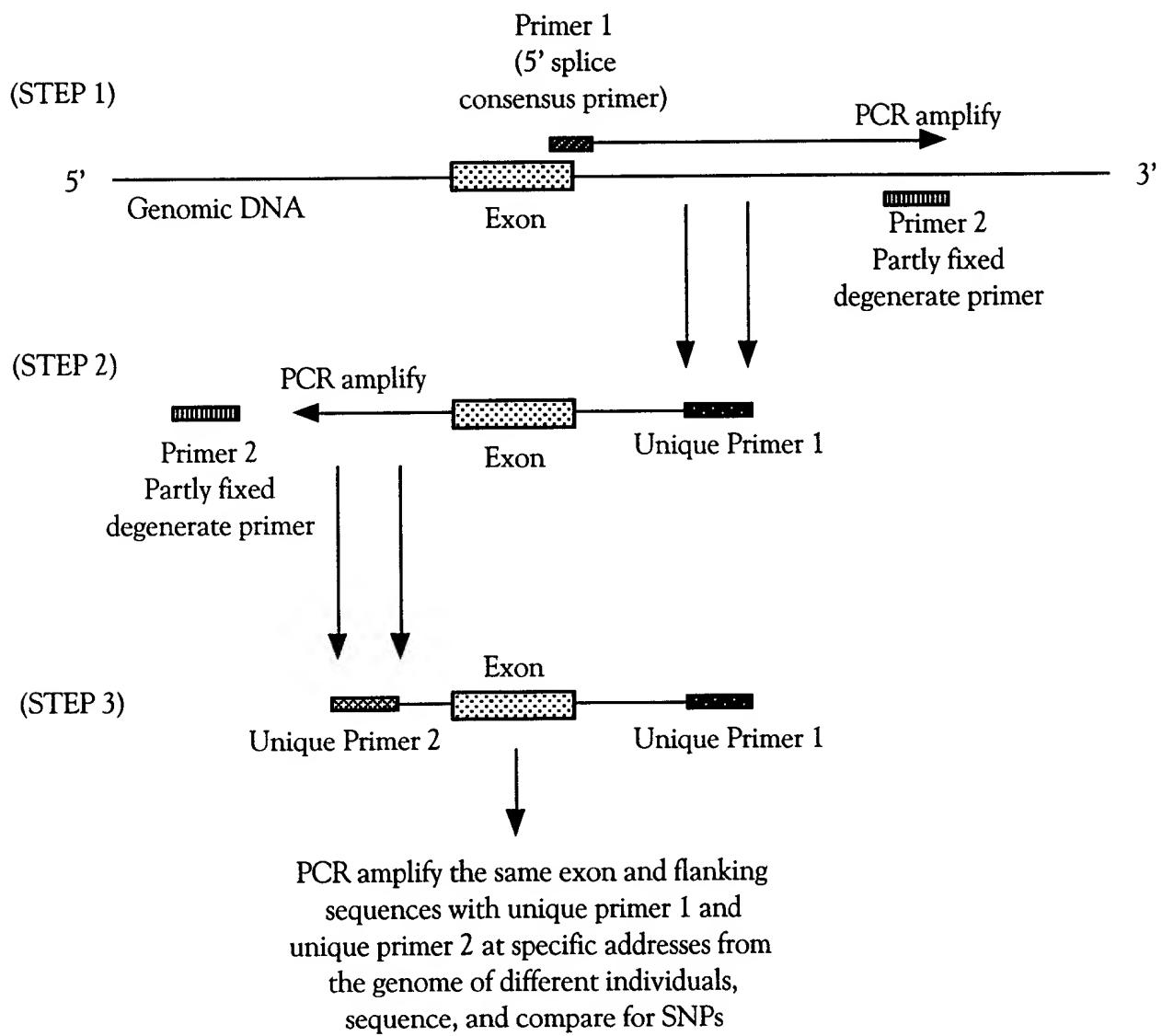


FIG. 6

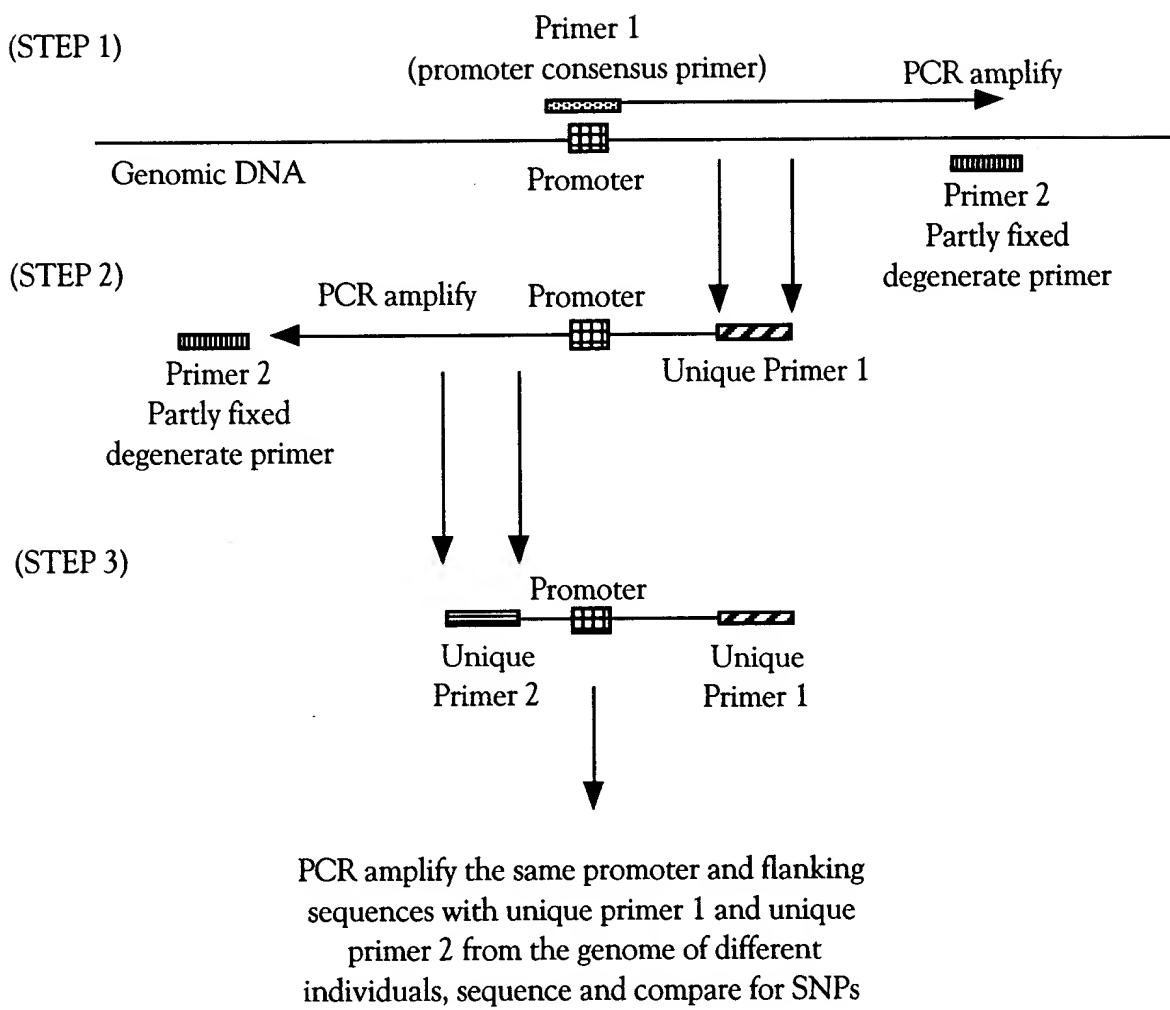


FIG. 7